

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 1    | 10/693,463  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2008/07/17<br>11:08 |
| S2    | 2    | "Cu.sub.1.4Mn.<br>sub.1.6O.sub.4"                       | US-PGPUB;<br>USPAT  | OR               | OFF     | 2008/07/17<br>11:09 |
| S3    | 2    | "Cu.sub.1.4Mn.<br>sub.1.6O.sub.4"                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/07/17<br>11:11 |
| S4    | 2    | "Cu.sub.1.4Mn.<br>sub.1.6O.sub.4"                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/17<br>11:11 |
| S5    | 1    | ("6649214").PN.   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2008/07/17<br>11:12 |
| S6    | 0    | S1 and transparent<br>\$1                               | US-PGPUB;<br>USPAT  | OR               | OFF     | 2008/07/17<br>11:13 |
| S7    | 0    | S1 and transparent                                      | US-PGPUB;<br>USPAT  | OR               | OFF     | 2008/07/17<br>11:13 |
| S8    | 0    | "Cu.sub.1.4Mn.<br>sub.1.6O.sub.4"<br>and transparen     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/17<br>11:14 |
| S9    | 2    | "Cu.sub.1.4Mn.<br>sub.1.6O.sub.4"<br>and transparen\$5  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/17<br>11:15 |
| S10   | 0    | "Cu.sub.\$1Mn.sub.<br>\$1.sub.\$1" and<br>transparen\$5 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/07/17<br>11:18 |

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| S11 | 9  | Cu\$1Mn\$1O\$1 and<br>transpare\$5   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:18 |
| S12 | 7  | S11 not S9   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:21 |
| S13 | 2  | (US-6649214-\$).<br>did. or (JP-<br>09263654-\$).did.                                      | USPAT;<br>DERWENT   | OR | OFF | 2008/07/17<br>11:25 |
| S14 | 2  | Cu\$1Mn\$1O\$1 and<br>transpare\$5 and<br>S13  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:25 |
| S15 | 1  | ("6312790").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/07/17<br>11:39 |
| S16 | 0  | copper near<br>manganese near<br>oxide\$1 same spinel<br>\$1 and glass and<br>transpare\$3 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:42 |
| S17 | 22 | copper near<br>manganese near<br>oxide\$1 and glass<br>and transpare\$3                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:42 |
| S18 | 4  | copper near<br>manganese near<br>oxide\$1 same coat<br>\$3 same glass                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:47 |
| S19 | 23 | copper near<br>manganese near<br>oxide\$1 same spinel<br>\$1                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:49 |

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| S20 | 31  | copper near manganese near oxide\$1 and transpare\$3 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:50 |
| S21 | 1   | S19 and S20  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:50 |
| S22 | 9   | S20 not S17  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:52 |
| S23 | 22  | S19 not S20  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:54 |
| S24 | 2   | Cu\$4Mn\$4O\$1 and transpare\$5 and S13              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:55 |
| S25 | 18  | Cu\$4Mn\$4O\$1 and transpare\$5                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>11:55 |
| S26 | 1   | ("5693134").PN.                                      | US-PGPUB;<br>USPAT  | OR | OFF | 2008/07/17<br>12:00 |
| S27 | 196 | copper near manganese near oxide\$1 and coat\$4      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:05 |
| S28 | 61  | copper near manganese near oxide\$1 same coat \$4    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:18 |

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| S29 | 4  | copper near<br>manganese near<br>oxide\$1 same coat<br>\$4 same glass           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:18 |
| S30 | 9  | copper near<br>manganese near<br>oxide\$1 same spinel<br>\$1 and glass          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:35 |
| S31 | 66 | Cu\$4Mn\$4O\$1 and<br>glass   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:37 |
| S32 | 16 | Cu\$4Mn\$4O\$1<br>same glass  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:38 |
| S33 | 12 | Cu\$4Mn\$4O\$1 and<br>glass same<br>transpare\$3                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:40 |
| S34 | 15 | Cu\$4Mn\$4O\$1 and<br>glass and transpare<br>\$3                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:41 |
| S35 | 1  | S34 not S33   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/07/17<br>12:41 |
| S36 | 0  | copper near<br>manganese near<br>oxide\$1 same<br>transparen\$4 same<br>coat\$4 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:42 |
| S37 | 3  | copper near<br>manganese near<br>oxide\$1 same<br>transparen\$4                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:42 |

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| S38 | 17     | transparecy   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:43 |
| S39 | 212089 | transparency  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:44 |
| S40 | 369    | automotive adj<br>transparency  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:44 |
| S41 | 370    | automotive adj<br>transparenc\$3  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>12:45 |
| S42 | 11     | ((("4111150") or<br>("4138284") or<br>("4147556") or<br>("4160061") or<br>("4208446") or<br>("4401474") or<br>("4568578") or<br>("4719126") or<br>("4719127") or<br>("4735861") or<br>("4857367"))).PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2008/07/17<br>12:48 |
| S43 | 14     | ((("4111150") or<br>("4138284") or<br>("4147556") or<br>("4160061") or<br>("4208446") or<br>("4401474") or<br>("4568578") or<br>("4719126") or<br>("4719127") or<br>("4735861") or<br>("4857367") or<br>("5322540") or<br>("5393593") or<br>("5669976"))).PN. | US-PGPUB;<br>USPAT  | OR | OFF | 2008/07/17<br>12:49 |

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| S44 | 1      | copper and manganese and oxide\$1 and S14       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/17<br>12:51 |
| S45 | 320    | S41 and glass\$2                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/17<br>12:51 |
| S46 | 15     | copper same manganese same oxide\$1 and S45     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/17<br>12:52 |
| S47 | 406888 | transparen\$2 and glass\$2                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/17<br>13:04 |
| S48 | 3189   | copper same manganese same oxide\$1 and S47     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/17<br>13:05 |
| S49 | 1232   | copper near10 manganese near10 oxide\$1 and S47 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/17<br>13:08 |
| S50 | 246130 | transparen\$2 same glass\$2                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/17<br>13:08 |
| S51 | 633    | copper near10 manganese near10 oxide\$1 and S50 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/17<br>13:09 |

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| S52 | 378    | copper near5<br>manganese near5<br>oxide\$1 and S50  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>13:09 |
| S53 | 174    | copper near2<br>manganese near2<br>oxide\$1 and S50  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>13:09 |
| S54 | 171618 | transparen\$2<br>near10 glass\$2   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>13:11 |
| S55 | 103    | copper near2<br>manganese near2<br>oxide\$1 and S54  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/17<br>13:11 |
| S56 | 1      | ("5876854").PN.  | US-PGPUB;<br>USPAT  | OR | OFF | 2008/07/18<br>08:58 |
| S57 | 2653   | copper near5<br>manganese near5<br>oxide\$1 and glass  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/19<br>14:10 |
| S58 | 154    | copper near<br>manganese near<br>oxide\$1 and glass  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/19<br>14:11 |
| S59 | 62     | copper near5<br>manganese near5<br>oxide\$1 and (glass<br>near substrate\$1<br>base\$2)near10 (flat<br>ribbon) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/19<br>14:11 |
| S60 | 84     | (copper near5<br>manganese near5<br>oxide\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>same glass  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/19<br>14:13 |

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| S61 | 6     | (copper near5<br>manganese near5<br>oxide\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and (glass near<br>substrate\$1 base\$2)<br>near10 (flat ribbon) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:15 |
| S62 | 382   | (copper near5<br>manganese near5<br>oxide\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and (glass near<br>substrate\$1 base<br>\$2)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:16 |
| S63 | 143   | (copper near2<br>manganese near2<br>oxide\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and (glass near<br>substrate\$1 base<br>\$2)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:17 |
| S64 | 31    | (copper near<br>manganese near<br>oxide\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and (glass near<br>substrate\$1 base<br>\$2)                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:17 |
| S65 | 7     | (copper near<br>manganese near<br>oxide\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and glass near<br>(substrate\$1 base<br>\$2)                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:17 |
| S66 | 76586 | (copper near\$5<br>manganese near\$5<br>oxide\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and glass near<br>(substrate\$1 base<br>\$2)                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:19 |

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| S67 | 23 | (copper near2<br>manganese near2<br>oxide\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and glass near<br>(substrate\$1 base<br>\$2) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>14:20 |
| S68 | 19 | ((copper near5<br>manganese near5<br>oxide\$1 Cu\$4Mn<br>\$4O\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and glass) .clm.         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>16:24 |
| S69 | 18 | ((copper near5<br>manganese near5<br>oxide\$1 Cu\$2Mn<br>\$2O\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and glass) .clm.         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/19<br>16:27 |
| S70 | 18 | ((copper near5<br>manganese near5<br>oxide\$1 Cu\$2Mn<br>\$2O\$1)near10<br>(layer\$3 coat\$2<br>coating\$2 film\$1)<br>and glass) .clm.         | US-PGPUB;<br>USPAT  | OR | ON | 2008/11/19<br>16:27 |

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